

GT Coating Equipment

Equipment for wear-resistant hydrophobic and oleophobic coatings



Advantages of GT coating equipment:

- Unique wear-resistant coatings with «surface easy clean» properties
- Extreme long-term durability of the coatings;
- Antifingerprint, hydrophobic and oleophobic features
- High yield due to fine uniformity and particles free
- Low Capital Expenditure (CAPEX)
- High degree of material utilization (low OPEX)
- Easy combination with different functional coatings (AR, AG etc.);
- Antibacterial properties



NEXT ENERGY

EWE-Forschungszentrum für
Energietechnologie e.V.

Technical characteristics			
	Model S	Model M	Model L
Productivity, m ² /h	20	50	110
Coating area, m ²	0,36	3,61	19,26
Carrier size, mm x mm	550 x 650	2250 x 1605	6000 x 3210
Max carrier speed, mm/sec	10		
Cycle time, min	1	2.5	6
Loading	Manual, 2 min	Auto	Auto
Technological devices	Substrate activation system (atmospheric discharge plasma); Water treatment system; Coating equipment; Coating stabilization system.		
Active material consumption, g/m ²	0,12		
The effectiveness of the material consumption, %	95 %		
Coating thickness, nm	6-8		
Coating nonuniformity	+/- 1%		
Durability, cycles of abrasion steel wool with a load of 10 N	8 000 - 10 000		
Utilities			
Water	Deionized, resistivity of 18 megohm • cm.		
Argon	Pressure - 0,1 ± 0,01 MPa, purity 99.99%, consumption - no more than 0.2 L / min		
Compressed air	6-8 bar		
Electric power	220 V ± 10 %, 50/60 Hz, (AC, N, PE)		
Footprint, m ²	10	60	100
Weight, not more, kg	500	-	-

*Coater design/characteristics could be changed upon customer's request.

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